

# CERTIFICATE OF ANALYSIS

Product Description CARBENICILLIN, DISODIUM SALT SOLUTION, 100 MG/ML  
 $\alpha$ -CARBOXYBENZYL PENICILLIN, DISODIUM SALT  
Product Number C540  
Lot Number 08A54001  
Storage Temperature -20° C

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH	Under Development	6.26
Physical Appearance	Clear, Colorless Liquid	Clear, Colorless Liquid
Precipitation Formation	None	Passes
Sterility by USP <71>	Sterile	Passes
Purity of Raw Material	Minimum 85%	92.4%
Potency of Raw Material	For Information Only	563 $\mu$ g/mL

## Biological Testing:

Test Concentration: 0.50 mL (50 mg)/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
This product does not typically promote tissue growth; tissue necrosis or death is possible. It is commonly used to arrest bacterial growth. This product is tested with two or more clean plant cell lines with no bioburden added to the medium.	Tobacco callus	Passes
	Syngonium	Passes

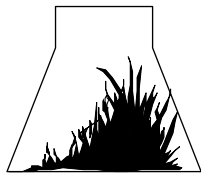
The material described in this certificate was manufactured in the United States of America and is of synthetic nature. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTechnology Laboratories, LLC provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Recommended Shelf Life Date: January 2010



Gary Seckinger, Ph.D.



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Dedicated to Growth

### **PhytoTechnology Laboratories, LLC**

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